ANNUAL REPORT

TO THE

Longtown Rural District Council

For the Year ending 31st December, 1908.

BY

DR. S. F. MC.LACHLAN,

MEDICAL OFFICER OF HEALTH.

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LONGTOWN, JANUARY, 1909.

ANNUAL REPORT

To the Longtown Rural District Council

For the Year ending December 31st, 1908.

GENTLEMEN,

I have the pleasure of submitting to you my Report on the Health of the District during the year 1908, with an account of the Sanitary Work performed during the same period.

The total number of births registered during 1908 has been 164; 81 being males and 83 females, which are equal to a birth-rate of 24.84 per thousand per annum. In 1907 there were 127 births; 59 being males and 68 females, with a birth-rate of 19.24.

The total number of deaths registered during 1908 has been 100; 47 being males and 53 females, which are equal to a death-rate of 15.15 per thousand per annum. In 1907 the number of deaths was 121; 71 being males and 50 females, with a death-rate of 18.33. Of those under one year of age there were 16 deaths, with a rate of 2.42; last year 17 deaths, rate 2.57. Of those between one and five years of age there were 4 deaths, rate 0.60; last year 6 deaths, rate 0.90. Of those sixty-five years of age and upwards there were 50 deaths, rate 7.57; last year 53 deaths, rate 8.03.

In the High District, the number of births was 45, and the number of deaths 30; the birth-rate being 25.00, and the death-rate 16.66. In 1907 the number of births was 25, rate 13.88; and the deaths 30, rate 16.66. Of those under five years of age there were 4 deaths, with a rate of 2.22; last year 1 death, rate 0.55. Of those sixty-five years of age and upwards, 16 deaths, rate 8.88; last year 19 deaths, rate 10.55.

In the Low District, the number of births was 119, and the rate 24.80; the number of deaths was 70, and the rate 14.58. In 1907 there were 102 births and 91 deaths, with a birth-rate of 21.25, and a death-rate of

18.95. Of those under five years of age, 16 deaths, rate 3.33; last year 22 deaths, rate 4.58. Of those sixty-five years of age and upwards, 34 deaths, rate 7.08; last year 34 deaths, rate 7.08.

In Longtown there were 26 deaths, with a rate of 15.29; last year 46 deaths, rate 27.05. Of those under five years of age 9 deaths, rate 5.29; last year 13 deaths, rate 7.64. Of those sixty-five years of age and upwards 7 deaths, rate 4.11; last year 13 deaths, rate 7.64.

The following table shews the number of deaths and the rate per thousand in Longtown since 1881:—

Year.	Number of Deaths.	Death-rate
1881	36	20.27
1882	36	20.27
1883	41	23.08
1884	29	16.32
1885	39	21.95
1886	40	22.22
1887	36	20.00
1888	24	13.51
1889	41	22.77
1890	48	26.66
1891	40	23.86
1892	40	23.86
1893	29	17.30
1894	33	19.68
1895	44	26.25
1896	23	13.72
1897	24	14.32
1898	31	18.49
1899	39	23.26
1900	30	17.90
1901	25	14.49
1902	25	14.49
1903	22	12.75
1904	21	12.35
1905	41	24.11
1906	30	17.64
1907	46	27.05
1908	26	15.29

The total number of deaths from zymotic diseases in 1908 has been 4, with a rate of 0.60 Last year 3 deaths, rate 0.45.

Table shewing the number of deaths and the rate per thousand due to zymotic diseases since 1881:—

Year.	Number of Deaths.	Death-rate.
1881	7	0.90
1882	14	1.81
1883	10	1.28
1884	4	0.51
1885	5	0.64
1886	14	1.78
1887	9	1.14
1888	7	0.88
1889	5	0.63
1890	9	1.13
1891	10	1.39
1892	7	0.97
1893	9	1.25
1894	10	1.39
1895	1	0.13
1896	3	0.41
1897	4	0.55
1898	7	0.97
1899	8	1.11
1900	1	0.14
1901	2	0.30
1902	6	0.89
1903	0	0.00
1904	0	0.00
1905	5	0.75
1906	4	0.60
1907	3	0.45
1908	4	0.60

Table of deaths due to phthisis and the rate per thousand since 1882:—

Year.	Number of Deaths.	Death-rate.
1882	20	2.59
1883	20	2.57
1884	20	2.56
1885	18	2.31
1886	13	1.66
1887	10	1.27
1888	13	1.64
1889	17	2.14
1890	14	1.76
1891	14	1.94

Year.	Number of Deaths.	Death-rate.
1892	14	1.94
1893	9	1.25
1894	11	1.53
1895	9	1.25
1896	7	0.97
1897	8	1.11
1898	5	0.69
1899	10	1.39
1900	8	1.11
1901	6	0.89
1902	7	1.04
1903	11	1.66
1904	11	1.66
1905	2	0.30
1906	8	1.21
1907	6	0.90
1908	9	1.36

Table shewing the number of deaths and the rate per thousand from pulmonary diseases, including phthisis, since 1882:—

Year.	Number of Deaths.	Death rate.
1882	35	4.54
1883	59	7.60
1884	34	4.38
1885	43	5.52
1886	46	5.87
1887	25	3.18
1888	34	4.30
1889	33	4.16
1890	40	5.05
1891	41	5.70
1892	36	5.01
1893	26	3.62
1894	34	4.73
1895	33	4.59
1896	22	3.06
1897	22	3.06
1898	20	2.78
1899	26	3.62
1900	17	2.36
1901	15	2.24
1902	18	2.69
1903	17	2.57

Year.	Number of Deaths.	Death rate.
1904	33	5.00
1905	20	3.03
1906	14	2.12
1907	24	3.63
1908	17	2.57

Table of deaths and the rate per thousand from pulmonary diseases, excluding phthisis:—

Year.	Number of Deaths.	Death-rate.
1882	15	1.95
1883	39	5.03
1884	14	1.82
1885	25	3.21
1886	33	4.21
1887	15	1.91
1888	21	2.66
1889	16	2.02
1890	26	3.29
1891	27	3.76
1892	22	3.07
1893	17	2.36
1894	23	3.20
1895	24	3.34
1896	15	2.08
1897	14	1.95
1898	15	2.08
1899	16	2.22
1900	9	1.25
1901	9	1.34
1902	11	1.64
1903	6	0.90
1904	22	3.33
1905	18	2.72
1906	6	0.90
1907	18	2.72
1908	8	1.21

The lowest death-rate in 1908 occurred in Nicholforest, there being 4 deaths, with a rate of 8.36. The highest death-rate occurred in Stapleton, with 13 deaths, and a rate of 27.71. In Bewcastle, 13 deaths, rate 15.24. In Arthuret, 35 deaths, rate 14.36. In Kirkandrews, 11 deaths, rate 16.07. In Kirklinton, 16 deaths, rate 12.23. In Scaleby, 8 deaths, rate 21.56.

The following table shews the total number of deaths registered in the district, and the rate per thousand since 1881:—

Year.	Number of Deaths.	Death-rate.
1881	124	16.08
1882	126	16.34
1883	143	18.34
1884	121	15.60
1885	134	17.21
1886	155	19.97
1887	118	15.02
1888	123	15.53
1889	124	15.65
1890	152	19.18
1891	124	17.26
1892	123	17.12
1893	114	15.87
1894	114	15.87
1895	136	18.39
1896	96	13.36
1897	103	14.34
1898	111	15.45
1899	112	15.59
1900	109	15.17
1901	82	12.28
1902	88	13.18
1903	85	12.88
1904	118	17.87
1905	107	16.21
1906	87	13.18
1907	121	18.33
1908	100	15.15

Of the total number of deaths 37 were seventy years of age and upwards, of which 14 were eighty years of age and upwards, 1 being ninety-six years of age. The ages are as follows:—70; 71, 71, 71; 72, 72; 73, 73, 73, 73, 73; 74, 74; 75; 76, 76; 78, 78, 78, 78, 78; 79, 79; 80; 81; 82, 82; 84, 84; 85; 86, 86, 86; 87; 88; 90; 96.

Table shewing the number of deaths from cancer since 1890:—

Year.	Number.
1890	5
1891	8

Year.	Number.
1892	8
1893	6
1894	8
1895	2
1896	5
1897	2
1898	3
1899	3
1900	10
1901	4
1902	7
1903	6
1904	8
1905	7
1906	5
1907	14
1908	8

Table of deaths from cancer during 1908:—

Parish.	Sex.	Age.	Disease.
Scaleby	Female	60	Liver
Kirklinton	Male	48	Stomach
..	Female	69	..
Arthuret	Male	70	Bowels
..	Female	85	..
..	..	53	Breast and Liver
Nicholforest	..	75	Ovarys
Stapleton	..	68	Liver

Deaths Registered from Different Causes during the Year 1908.

Cause of Death.	Number.
Senile Decay	10
Diseases of Nervous System	10
.. Respiratory System	8
.. Digestive System	9
.. Heart	24
.. Liver	1
.. Kidneys	2
Phthisis (Consumption)	9
Cancer	8
Whooping Cough	1
Puerperal Fever	3
Premature Births	4
Deficient Vitality	3

Cause of Death.	Number.
Diabetes	2
Senile Dementia	1
Septicaemia	1
Influenza	2
Goitre	1
Cellulitis	1
Total	100

I am pleased to have to state that there has been a decrease in the number of deaths and the death-rate for the year, there being 100 deaths registered with a rate of 15.15. In 1907 the number was 121, and the rate 18.33. This year the number of deaths of old people has been 37, the same number as last year, the ages ranging from 70 to 96 years of age. Eight deaths were due to cancer, against 14 last year. There has been an increase in the number of deaths due to phthisis, 9 this year against 6 in 1907. The zymotic death-rate is still a low one, 4 deaths with a rate of 0.60. There were 2 deaths in the district among people not belonging to it, and 1 death out of the district but belonging to it, which makes the nett number of deaths 99, and the death-rate 15.00. There has been an increase in the number of births this year, 164 against 127 in 1907.

I have had 10 notifications of infectious diseases during the year, 4 being in the High District and 6 in the Low District.

Scarlet Fever.

There were 4 cases, 3 in the High District and 1 in the Low District. In August 1 occurred in Longtown and 3 at the Flatt in December.

Erysipelas.

There were 2 cases, both in Longtown.

Puerperal Fever.

One case occurred at Mosside in February.

Diphtheria.

There were 3 cases, 1 at Haggiston Holm in June, 1 in Longtown in July, and 1 at Roadhead in September.

Mumps.

An epidemic occurred among children attending Longtown School, but as the Christmas holidays

intervened, it was not necessary to close the school. Also among children attending Moat School, which was closed from 5th to 30th May.

Whooping Cough.

An epidemic occurred among children attending Easton School, which was closed for six weeks. There were also a few cases among children attending Blackbank School.

I append details of some of the sanitary work done during the year:—

At Park Farm—Where there was insufficient drainage in the yard. A cement channel has been laid from back entrance of the yard to an untrapped gully. In Longtown—Where there was insufficient drainage to carry off liquid manure from piggery. A drain was put in with common field tiles. No pigs are kept now. At Bruntbill—Where there was a want of drainage to carry off liquids from yard and piggery. This has been remedied by drainage and fixing gully-traps. At Brown Rigg—Where the manure heap was kept in the yard, and no drainage and gully-traps, and the lower part of the yard required repairing. In this case the manure heap has been removed, the yard properly drained, paved, and gully-traps fixed. At Brown Rigg—Where the yard was in a dirty condition, traps blocked, and liquid manure running over the yard; this has been remedied by a new drain being put in, and the yard cleaned. In Longtown—Where there was an untrapped gully in the yard and an accumulation of ashes, has been remedied by a trapped gully being put in, and the ashes removed. At Hursthead—Where there was a want of drainage and traps in the yard. In this case drains and trapped gullies have been put in. At Dykehead—Where there was a want of proper drainage and paving in the yard. The yard has been drained, paved, and gully-traps fixed. In Longtown—Where the drain was in an insanitary condition and no trapped gullies. This has been remedied. At Rychill—Where there was a want of drainage in the yard, everything running on the surface. The yard has been properly drained and gully-traps fixed. Graham Arms Hotel, Longtown—Where the water-closets do not comply with Rule 8 of Regulations for Water Consumers. This matter was allowed by the Council to stand over. The Stubbs—

Where the liquid sewage from the stable, &c., runs on the surface of the yard towards the dwelling house, there being no drainage to carry off the liquid. This has been allowed by the Council to stand over till a new tenant enters, February, 1909. In Longtown—Where there was no privy accommodation, no drainage to stable, pavement and yard in bad condition. A drain has been put in, gully-traps fixed, pavement repaired, and privy provided, but the premises are in such an unsatisfactory condition that a special report has been ordered. At Sleatbeck—Where there was a cesspool about seven yards from the back door and near the milk-house windows, the cesspool untrapped. This should be opened, cleaned, and trapped. A trap is also required at pump and stable, and the whole connected with sanitary drain pipes and conveyed out of the yard. The privy should be supplied with pails and ventilated from the roof, it being only a few yards from one of the milk-house windows. In the servant's bedroom, window does not open for ventilation. I understand the necessary work is being carried out. At Lord's Gate—Where the bedroom walls were damp, and the flagged kitchen floor very damp. In this case a drain has been put round the house. At Hetherside Mill, where the bedroom walls were damp, the bed clothes being damp and mouldy. In another bedroom three of the walls were damp. In another bedroom the front and back walls were damp, and a want of ventilation, the roof of the house in bad condition, admitting wet. This has been remedied by the roof being repaired, a skylight fixed, which opens for ventilation, and damp walls boarded. At Dykeside—where the manure in yard was too near dwelling house. This has been removed and a new site provided. In Longtown—Five tenants' windows in back bedrooms do not open for ventilation. New windows have been provided which open for ventilation. In Longtown—Where there was a want of drainage to carry off liquid manure from stable, ashpit and dwelling house. A drain has been put in and trapped gullies provided. In Longtown—Four tenants, where there was no drain to carry off slops, &c. The windows in back bedrooms were in a bad state of repair and did not open sufficiently for ventilation. A drain and gully-trap has been provided, and new windows put in which open for ventilation. In Longtown—Two tenants' windows in bedroom in a dilapidated condition, and did

not open for ventilation. New windows have been put in which open for ventilation. In Longtown—Eight tenants, where there was a want of proper drainage in the yard and insufficient ventilation in bedrooms. A drain has been put in and gully-traps fixed, also new windows have been put into the bedrooms which open for ventilation. In Longtown—Where the walls of the piggery were composed of old railway sleepers, and soaked with sewage, the floor in bad condition, ashpit walls in insanitary condition. This has been remedied by providing a new pig-house with a cement floor, and drain and gully-traps. At Paddieshill—Where the surroundings of the pump were in a very filthy condition, with risk of contamination of well water, traps in the yard covered with filth. There is also a large cesspool which should be drained away, drain provided for cesspool, and the other matters remedied. At Burnside—Where the manure was in the yard, and bedrooms damp. The manure has been removed and the walls of bedroom boarded. At Trough—Where there was a want of drainage to carry off liquids from the byre and stable. Drains have been put in and trapped gullies fixed. At Littlefield, where the wood work of bedroom window in bad condition, the walls damp and in a bad state of repair, kitchen walls require pointing and holes filling up, a proper gully-trap required at the back door of dwelling house. The work is in progress. At Oakshaw—Where the manure was kept in the yard, cowshed abutting against dwelling house, and want of drainage in the yard. Manure removed outside the yard, a new cowshed has been erected with cement pavement, drains put in but trapped gullies not yet provided. At Haggiston Holm, where the floor of the piggery in lower yard was in bad condition, so that there was no free run for the liquid, also the floor of piggery in the yard in a bad condition, so that it cannot be kept clean. There is a cesspool which should have a drain to carry off the liquid, the drain to be connected with the one from the yard, which empties into cesspool. Pavement round gully-trap at back door in bad order. The piggery floors have been repaired, drain put in at lower end of yard and cesspool filled up, and pavement round trap repaired. At Rackgate—Where there is a portion of kitchen floor very damp, and insufficient ventilation in bedroom and kitchen, and there is no privy. The work has not been

done yet, and an order has been given to take out a summons unless the work is done forthwith. At Hewstown—Where there was a large quantity of manure in the yard, and no drainage to carry off sewage from out-buildings. The manure heap has been removed and the rest of the work is in progress. At Closehouses—Where there was insufficient drainage to carry off sewage from out-buildings. Steps are being taken to provide a new drain. At Whiteclose Gate—Where the walls of the bedroom and kitchen floor were damp. The kitchen floor has been cemented, and a drain put round the dwelling house, but the walls of bedroom are still damp. This has been allowed to stand over to see the effect of the drain. At Roadhead—where the bedroom walls are damp, and insufficient drainage to carry off slops, &c., from dwelling house. Nothing has been done. At Roadhead—Where kitchen window did not open for ventilation. The window now opens. At Roadhead—Where there was a want of drainage and traps in yard. The owner promised to do what was necessary. At Uppertown—Where liquids run from piggery and byres in an open channel on each side, and within 6 feet of the pump from which water is got for domestic purposes. Nothing has been done. At Howberry—Where the yard was in an insanitary condition from defective drainage and paving. A drain has been put in and part of the pavement repaired. At Sandysyke—Where the kitchen was in a very dirty condition, two adults and three children sleep in one bed. In the bedroom, where two children sleep, the bed-clothes were very dirty and saturated with urine, two mail-carts and bicycle in the room containing dirty clothes, the floor covered with dirt, and the room unfit for healthy habitation. This condition of matters has been improved.

Certificates have been given under the Public Health Act, 1878, sec. 6, to Mr. Norman, Standingstone Rigg, and Mr. John Davidson, Longtown, who have erected new dwelling houses.

Dairies, Cowsheds, and Milkshops Order of 1885.

In Longtown—Where the loft above cows was rotten and could not be kept clean, and manure heap within five feet of cowshed door. The loft and manure have been removed and walls lime washed. In Longtown—Where the channel behind the cows was in an insanitary

condition. The channel has been cemented. In Longtown—A new cowshed has been erected for 20 cows, a proper cement floor laid down, and drain and gully traps provided. The Longtown Eskdale Creamery Co. have removed to new premises, and on inspection everything found in a satisfactory condition.

Your Inspector reports that the cowsheds on the whole are kept fairly clean, but there are still some with imperfect ventilation, and cobble-paved channels behind the cows.

Water Supply.

At Park School—Where there is an impure water supply. This has been referred to the County Educational Committee. At Westlinton—Where there are five cottages, the water comes from spring on the road side, about 150 yards distant, and is conveyed in ordinary field tiles to an open well, and in wet weather it becomes discoloured and unfit for domestic use. Steps are being taken to sink a well. At Sleatbeck—Where water for domestic purposes is got from a pump in the yard. Complaint was made that there are small worms in the water. One was seen on our visit. This matter is being attended to. At Littlefield—Where the water is conveyed by common tile pipes to a trough opposite the dwelling house. The tenant complained that it is dirty in wet weather and unfit for use, it has then to be carried from Shankbridge End within 300 yards distant. I understand the necessary work is now in progress. At Paddieshill Cottages—The well from which water is got for domestic purposes lying open to the road. The well has been properly enclosed with a door.

Report on the Administration of the Factory and Workshop Act, 1901.

During the year 1908, 122 inspections were made, of which 30 were to Factories, 36 to Workshops, and 56 to Domestic Workshops. There were 5 cases of want of cleanliness, and 1 other nuisance. All were remedied.

I am,

Your obedient Servant,

S. F. McLACHLAN,

Medical Officer of Health.

Longtown Rural District Council.

TABLE I.

Vital Statistics of whole District during 1908 and Previous Years.
Longtown Rural Sanitary District.

Year.	Population estimated to middle of each Year.	Births.		Total Deaths registered in the District.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of residents registered in Public Institutions beyond the District.	Nett Deaths at all ages belonging to the District.	
				Under one year of age.		At all ages.						
		Number	Rate.	Number	Rate per 1000 Births Registered.	Number.	Rate.				Number.	Rate.
1898	7181	183	25·48	15	81·96	111	15·45	3	...	...	109	15·17
1899	7181	169	23·53	35	207·10	112	15·59	8	...	...	111	15·45
1900	7181	152	21·16	12	78·94	109	15·17	4	...	...	109	15·17
1901	6676	159	23·81	20	125·8	82	12·28	3	...	...	81	12·13
1902	6676	129	19·32	11	85·27	88	13·18	4	1	1	88	13·18
1903	6600	134	20·33	10	71·63	85	12·88	2	...	...	85	12·88
1904	6600	125	18·94	12	96·00	118	17·87	10	1	3	120	18·18
1905	6600	154	23·33	17	110·4	107	16·21	4	1	1	107	16·21
1906	6600	143	21·66	16	111 8	87	13·18	3	...	2	89	13·48
1907	6600	127	19·24	17	133·8	121	18·33	..	...	2	123	18·63
Averages for years 1898–1907	6789	147	21·68	16½	110·27	102	15·01	4	$\frac{3}{10}$	$\frac{9}{10}$	102	15·04
1908	6600	164	24·84	16	97·56	100	15·15	2	1	1	100	15·15

Area of District in acres (exclusive of area covered by water)—94,173

Total population at all ages 6676
Number of inhabited houses 1435
Average number of persons per house ... 4½
} At Census of 1901.

TABLE II.

Vital Statistics of separate Localities in 1908 and previous years.

Longtown Rural Sanitary District.

Names of Localities.	Whole District.				High District.				Low District.			
Year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1898 ..	7181	183	109	15	2124	55	37	2	5057	128	72	13
1899 ...	7181	169	111	35	2124	40	26	6	5057	129	85	29
1900 ...	7181	152	109	12	2124	37	30	2	5057	115	79	10
1901 ...	6676	159	82	20	1839	44	23	6	4837	115	59	14
1902 ..	6676	129	88	11	1839	30	22	1	4837	99	66	10
1903 ..	6600	134	85	10	1800	41	28	3	4800	93	57	7
1904 ..	6600	125	120	12	1800	32	39	4	4800	93	81	8
1905 ...	6600	154	107	17	1800	40	27	2	4800	114	80	15
1906 ...	6600	143	89	16	1800	34	20	3	4800	109	69	13
1907 ...	6600	127	123	17	1800	25	30	1	4800	102	93	16
Averages of Years 1898 to 1907	6789	147	102	16½	1905	37⅘	28⅕	3	4884	109	74	13½
1908 ..	6600	164	100	16	1800	45	30	4	4800	119	70	12

TABLE III.

Cases of Infectious Disease notified during the Year 1908.
Longtown Rural Sanitary District.

Notifiable Disease.	Cases notified in whole District.							Total Cases notified in each Locality.		No. of Cases removed to Hospital from each Locality.		Total Cases removed to Hospital.
	At all Ages.	At Ages—Years.						High District.	Low District.	High District	Low District W.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.					
Small-pox	...	...	...	...	...	...	...	...	..	...	...	...
Cholera	...	..	...	...	...	...	...	...	...	...	...	...
Diphtheria including Membranous Croup	3	...	...	...	1	2	...	1	2	...	...	...
Erysipelas	2	...	...	1	1	...	..	...	2	...	...	...
Scarlet Fever	4	..	2	1	...	1	..	3	1	...	...	..
Typhus Fever... ...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever... ...	..	...	..	...	...	...	...	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	.	..	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ..	1	...	...	...	...	1	..	...	1	...	...	...
Plague...	...	...	...	...	...	. .	...	...	...	...	...	...
Totals	10	...	2	2	2	4	...	4	6	Nil	Nil	Nil

Isolation Hospital—Carlisle Fever Hospital.

TABLE IV.

Causes of, and Ages at, Death during Year 1908.
Longtown Rural Sanitary District.

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to localities whether occurring in or beyond the district.		Total deaths whether of Residents or non "Residents" in Public Institutions in the district
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	High D'trict	Low D'trict	
Small-pox ...	...	...	...	...	...	...	..	...	..	...
Measles	...	..	...	...	..	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	..	...	...	...	..
Whooping-cough .	1	1	...	...	...	...	...	...	1	...
Diphtheria, including Membranous Croup	...	...	..	..	...	...	...	...	...	...
Croup	...	...	...	...	...	..	...	...	..	...
Fever—Typhus ...	...	...	...	...	...	..	...	...	..	...
Fever—Enteric ...	...	...	...	...	...	...	...	...	...	...
Fever—Other continued	...	..	..	...	..	...	...	...	...	...
Epidemic Influenza ...	2	..	...	..	..	...	2	2	...	...
Cholera	...	...	...	...	...	..	...	...	...	.
Plague	...	...	...	...	...	...	...	...	...	...
Diarrhœa	...	...	...	...	...	...	..	...	...	...
Enteritis	4	1	2	..	...	1	...	...	4	...
Puerperal Fever ...	3	...	...	...	...	3	...	1	2	...
Erysipelas	...	...	...	..	...	...	...	...	...	..
Phthisis (Pulmonary Tuberculosis) ...	9	...	...	..	4	5	...	3	6	...
Other Tubercular Diseases	...	...	...	...	...	...	...	...	...	..
Cancer, Malignant Disease	8	...	...	..	...	2	6	2	6	1
Bronchitis	5	1	1	...	...	...	3	...	5	...
Pneumonia	2	...	...	...	...	2	...	...	2	1
Pleurisy	...	...	...	...	..	...	...	..	...	...
Other Diseases of Respiratory Organs ..	...	...	...	..	..	...	...	..	...	...
Alcoholism / Cirrhosis of Liver ..	...	...	...	..	..	...	..	.	...	...
Venereal Diseases ...	...	..	..	...	...	...	...	..	..	...
Premature Birth .	4	4	...	...	...	...	.	2	2	..
Diseases and Accidents of Parturition ...	...	...	...	...	...	...	..	...	...	.
Heart Diseases ...	24	1	...	1	..	2	20	9	15	...
Accidents	...	...	..	..	...	..	...	..	...	...
Suicides	...	...	..	...	...	..	...	..	...	..
Diabetes	2	...	...	...	1	1	...	1	1	...
All other causes ...	36	8	1	1	1	6	19	10	26	...
All causes	100	16	4	2	6	22	50	30	70	2

TABLE V.

Longtown Rural Sanitary District.

INFANTILE MORTALITY DURING THE YEAR 1908.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1–2 Weeks.	2–3 Weeks.	3–4 Weeks.	Total under 1 month.	1–2 Months.	2–3 Months.	3–4 Months.	4–5 Months.	5–6 Months.	6–7 Months.	7–8 Months.	8–9 Months.	9–10 Months.	10–11 Months.	11–12 Months.	Total Deaths under One Year.
All Causes.	Certified	7	...	...	1	8	1	1	...	1	...	...	2	...	...	...	...	13
	Uncertified	...	..	...	...	...	...	...	2	1	...	...	..	...	...	...	...	3
Common Infectious Diseases.	Small-pox	...	...	...	..	..	...	...	..	...	..	...	...	...	...	...	...	...
	Chicken-pox ..	...	...	.	...	...	...	..	...	...	..	...	...	..	..	...	...	..
	Measles	...	..	...	.	..	..	..	..	...	..	...	...	...	...	...	...	...
	Scarlet Fever ..	...	..	...	.	...	...	.	.	...	...	...	...	...	...	.	...	...
	Diphtheria, including Membraneous Croup	..	..	..	...	...	...	..	...	..	...	...	.	..	...	...	.	...
	Whooping Cough ...	...	...	..	...	...	...	...	...	...	...	...	1	..	...	...	...	1
Diarrhœal Diseases.	Diarrhœa, all forms...	...	...	..	..	...	...	...	...	...	...	.	...	...	...	...	...	...
	Enteritis, Muco-enteritis Gastro-enteritis	..	...	...	..	...	...	...	...	...	...	...	.	...	..	.	...	...
	Gastritis, Gastro-intestinal Catarrh	...	...	...	..	...	..	1	...	...	...	...	..	...	..	...	..	1
Wasting Diseases.	Premature Birth ...	3	...	...	1	4	...	..	...	..	...	...	...	...	..	...	...	4
	Congenital Defects .	...	..	...	...	.	..	...	...	...	...	..	..	..	...	...	...	...
	Injury at Birth ...	1	...	...	...	1	...	...	...	...	...	..	...	..	...	...	...	1
	Want of Breast-milk	..	..	...	...	...	..	..	...	..	...	...	...	...	...	...	...	...
	Starvation ...	...	...	...	...	..	...	..	...	...	..	...	...	...	...	...	...	...
	Atrophy, Debility, Marasmus	2	...	...	...	2	1	...	...	...	...	..	...	...	..	...	..	3
Tuberculous Diseases.	Tuberculous Meningitis	...	.	...	...	...	...	...	...	...	...	...	...	...	..	.	...	..
	Tuberculous Peritonitis : Tabes Mesenterica	...	...	...	...	..	.	..	...	...	...	...	...	..	...	...	...	...
	Other Tuberculous Diseases	.	...	..	...	.	...	.	...	...	..	...	...	...	...	...	.	..
	Erysipelas	...	...	...	..	...	..	..	...	...	...	...	...	..	...	..	...	...
	Syphilis	...	...	...	..	..	...	...	...	...	...	.	..	...	...	...	...	..
	Rickets	...	...	..	.	...	...	...	...	...	...	..	...	...	...	.	..	...
	Meningitis (*not Tuberculous*)	...	...	...	...	...	...	...	...	1	...	...	...	.	...	...	...	1
	Convulsions	...	...	...	...	..	.	...	2	1	.	...	...	...	..	..	...	3
	Bronchitis	...	..	...	..	...	..	...	...	.	...	...	1	...	...	...	...	1
	Laryngitis	..	.	..	...	...	...	...	...	..	..	...	.	...	..	...	...	...
	Pneumonia	..	...	...	...	...	...	..	...	..	...	...	...	...	...	..	...	...
	Suffocation, overlying	...	...	...	...	...	...	..	...	...	...	...	..	..	...	...	.	..
	Other Causes ...	1	...	...	...	1	..	...	..	...	...	.	..	..	...	...	.	1
		7	...	...	1	8	1	1	2	2	..	...	2	...	...	...	...	16

Longtown Rural District.

Births in the year { Legitimate, 148. Illegitimate, 16. } Deaths in the year of { Legitimate Infants. 16. Illegitimate „ Nil. }

Population—Estimated to middle of 1908—6,600.

Deaths from **all Causes at all Ages**, 100.